

Radiocarbon

Vol 52, Nr 1, 2010

CONTENTS

EDITORIAL BOARD	iii
------------------------------	-----

ARCHAEOLOGY

Radiocarbon Results from the Iron IIA Site of Atar Haroa in the Negev Highlands and Their Archaeological and Historical Implications <i>Elisabetta Boaretto, Israel Finkelstein, Ruth Shahack-Gross</i>	1
Dating Human Occupation on Diatom-Phytolith-Rich Sediment: Case Studies of Mustang Spring and Lubbock Lake, Texas, USA <i>Christine Hatté, Gregory Hodgins, Vance T Holliday, A J Timothy Jull</i>	13
AMS Dating of Human Bone from Cova de la Pastora: New Evidence of Ritual Continuity in the Prehistory of Eastern Spain <i>Sarah B McClure, Oretó García Puchol, Brendan J Culleton</i>	25
The Radiocarbon Chronology of El Mirón Cave (Cantabria, Spain): New Dates for the Initial Magdalenian Occupations <i>Lawrence Guy Straus, Manuel R González Morales</i>	33
Radiocarbon Dating of the Amphipolis Bridge in Northern Greece, Maintained and Functioned for 2500 Years <i>Y Maniatis, D Malamidou, H Koukouli-Chryssanthaki, Y Facorellis</i>	41
The 4000-Year-Old “Longshan Giant” Discovered in Shaanxi Province, China <i>Yachang Yang, Yizhi Zhu</i>	65

MARINE STUDIES

Carbon Isotope Measurements of Surface Seawater from a Time-Series Site off Southern California <i>Elise N Hinger, Guaciara M Santos, Ellen R M Druffel, Sheila Griffin</i>	69
Holocene Variations of Radiocarbon Reservoir Ages in a Mediterranean Lagoonal System <i>P Sabatier, L Dezileau, P Blanchemanche, G Siani, M Condomines, I Bentaleb, G Piquès</i> . . .	91

METHODS, APPLICATIONS, AND DEVELOPMENTS

Current Pretreatment Methods for AMS Radiocarbon Dating at the Oxford Radiocarbon Accelerator Unit (ORAU) <i>Fiona Brock, Thomas Higham, Peter Ditchfield, Christopher Bronk Ramsey</i>	103
The Phytolith ¹⁴ C Puzzle: A Tale of Background Determinations and Accuracy Tests <i>Guaciara M Santos, Anne Alexandre, Heloisa H G Coe, Paul E Reyerson, John R Southon, Cacilda N De Carvalho</i>	113
Reconstruction of 130-kyr Relative Geomagnetic Intensities from ¹⁰ Be in Two Chinese Loess Sections <i>Weijian Zhou, Feng Xian, J Warren Beck, A J Timothy Jull, Zhisheng An, Zhenkun Wu, Min Liu, Maobai Chen, Alfred Priller, Walter Kutschera, George S Burr, Huagui Yu, Shaohua Song, Peng Cheng, Xianghui Kong</i>	129

Radiocarbon and Stable Carbon Isotope Analyses of Land Snails from the Chinese Loess Plateau: Environmental and Chronological Implications <i>Bing Xu, Zhaoyan Gu, Jingtai Han, Zongxiu Liu, Yunpeng Pei, Yanwu Lu, Naiqin Wu, Yongfu Chen</i>	149
AMS ^{14}C Dating of Human Bones Using Sequential Pyrolysis and Combustion of Collagen <i>Hong Wang, Stanley H Ambrose, Kristin M Hedman, Thomas E Emerson</i>	157
Radiocarbon AMS Data Analysis: From Measured Isotopic Ratios to ^{14}C Concentrations <i>Ugo Zoppi</i>	165
Successful AMS ^{14}C Dating of Non-Hydraulic Lime Mortars from the Medieval Churches of the Åland Islands, Finland <i>Jan Heinemeier, Åsa Ringbom, Alf Lindroos, Árný E Sveinbjörnsdóttir</i>	171
DATE LIST	
AMS Radiocarbon Dates from Pleistocene and Holocene Mammals Housed in the New York State Museum, Albany, New York, USA <i>Robert S Feranec, Andrew L Kozlowski</i>	205